

Enterprise Health Management Platform (eHMP)

Release Notes for Release Version 1.2.19



Department of Veterans Affairs

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Version 1.0

Revision History

Date	Version	Description	Author
01/26/2017	1.0	Update to document eHMP v1.2.19	Accenture Federal Services

Deliverable (Product) Version History

(Note: **Yellow** highlights components that changed)

Revision	Release Description	Date	eHMP User Interface (UI)	Health Management Platform (HMP) Patch	Pre-Requisite Patches
1.2.19	HMP*2.0*8	29-Dec-16	eHMP UI 1.2.7 1.2.rc30.88819	HMP*2.0*8	HMP 2.0*2 PX*1.0*216 (Note: associated patch; however, not a product or deliverable by Accenture Federal Services (AFS))
1.2.18	eHMP UI 1.2.7	16-Dec-16	eHMP UI 1.2.7 1.2.rc30.88819	HMP*2.0*2	HMP*2.0*1 (HMP_MULTIBUILD_2-0_P02_T3.KID) PSS*1.0*197 DG*5.3*921 GMRV*5.0*32 OR*3.0*421 PSB*3.0*95 MC*2.3*47

Revision	Release Description	Date	eHMP User Interface (UI)	Health Management Platform (HMP) Patch	Pre-Requisite Patches
1.2.17	HMP*2.0*2	19-Dec-16	eHMP UI 1.2.6 1.2.rc26.79841	HMP*2.0*2	HMP*2.0*1 (HMP_MULTIBUILD_2-0_P02_T3.KID) PSS*1.0*197 DG*5.3*921 GMRV*5.0*32 OR*3.0*421 PSB*3.0*95 MC*2.3*47
1.2.16	HMP*2.0*6	27-Oct-16	eHMP UI 1.2.6 1.2.rc26.79841	HMP 2.0*6	HMP*2.0*1
1.2.15	eHMP UI 1.2.6	26-Oct-16	eHMP UI 1.2.6 1.2.rc26.79841	HMP 2.0*1	HMP*2.0 (HMP_2-0_20160223-02.KID) PSB*3.0*94 (PSB3_0P94T6.KID) PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID)
1.2.14	eHMP UI 1.2.5	1-Aug-16	eHMP UI 1.2.5 1.2.5.77365	HMP 2.0*1	HMP*2.0 (HMP_2-0_20160223-02.KID) PSB*3.0*94 (PSB3_0P94T6.KID) PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID)
1.2.13	HMP*2.0*1	25-Jul-16	eHMP UI 1.2.4 1.2.4.70681	HMP 2.0*1	HMP*2.0 (HMP_2-0_20160223-02.KID) PSB*3.0*94 (PSB3_0P94T6.KID) PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID)
1.2.12	PSB*3.0*94	10-May-16	eHMP UI 1.2.4 1.2.4.70681	HMP*2.0 v6.1.7 (HMP_2-0_20160223-02.KID)	PSB*3.0*94 (PSB3_0P94T6.KID) PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID)
1.2.11	eHMP UI 1.2.4	06-Apr-16	eHMP UI 1.2.4 1.2.4.70681	HMP*2.0 v6.1.7 (HMP_2-0_20160223-02.KID)	PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID)

Revision	Release Description	Date	eHMP User Interface (UI)	Health Management Platform (HMP) Patch	Pre-Requisite Patches
1.2.10	eHMP UI 1.2.3	17-Mar-16	eHMP UI 1.2.3 1.2.3.64914	HMP*2.0 v6.1.7 (HMP_2-0_20160223-02.KID)	PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID)
1.2.9	HMP*2.0 PRB 2.9	04-Mar-16	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.7 (HMP_2-0_20160223-02.KID)	PRB 2.9 (HMP_PREREQ_BUNDLE_2-0_V2-9.KID) (GMRC*3.0*80 MD*1.0*38 PSB*3.0*79 OR*3.0*390 TIU*1.0*106 TIU*1.0*298 USR*1.0*37)
1.2.8	HMP*2.0	17-Feb-16	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.6 (HMP_2-0_20160217-01.KID)	PRB 2.8 (HMP_PREREQ_BUNDLE_2-0_V2-8.KID)
1.2.7	HMP*2.0	11-Feb-16	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.5 (HMP_2-0_20160201-02.KID)	PRB 2.8 (HMP_PREREQ_BUNDLE_2-0_V2-8.KID)
1.2.6	HMP*2.0	27-Jan-16	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.4 (HMP_2-0_20160122-01.KID)	PRB 2.8 (HMP_PREREQ_BUNDLE_2-0_V2-8.KID)

Revision	Release Description	Date	eHMP User Interface (UI)	Health Management Platform (HMP) Patch	Pre-Requisite Patches
1.2.5	PRB 2.8	09-Jan-16	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.3 (HMP_2-0_20151030-01.KID)	PRB 2.8 (HMP_PREREQ_BUNDLE_2-0_V2-8.KID) (GMRC*3.0*80 MD*1.0*38 PSB*3.0*79 OR*3.0*390 TIU*1.0*106 TIU*1.0*298 USR*1.0*37)
1.2.4	HMP*2.0	30-Dec-15	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.3 (HMP_2-0_20151030-01.KID)	PRB 2.4 (HMP_PREREQ_BUNDLE_2-0_V2-4.KID)
1.2.3	eHMP UI 1.2.2	17-Nov-15	eHMP UI 1.2.2 1.2.2.49391	HMP*2.0 v6.1.2.J (HMP_2-0_20150910-04.KID)	PRB 2.4 (HMP_PREREQ_BUNDLE_2-0_V2-4.KID)
1.2.2	eHMP UI 1.2.1 HMP*2.0 PRB 2.4	14-Oct-15	eHMP UI 1.2.1 1.2.1.47792	HMP*2.0 v6.1.2.J (HMP_2-0_20150910-04.KID)	PRB 2.4 (HMP_PREREQ_BUNDLE_2-0_V2-4.KID) (GMRC*3.0*80 MD*1.0*38 PSB*3.0*79 OR*3.0*390 TIU*1.0*106 TIU*1.0*298 USR*1.0*37)
1.2.1	HMP*2.0	22-Aug-15	N/A	HMP*2.0 v6.1	N/A

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1. Introduction

The Enterprise Health Management Platform (eHMP) project is a multi-year effort to evolve a modern, service-oriented platform which provides a web-based user interface (UI), clinical data services, and assembles patient clinical data from federated Veterans Health Information Systems and Technology Architecture (VistA) repositories, Department of Defense (DoD), and private partner data sources, reflective of each location providing care to the patient. This federated data is aggregated into an enterprise patient record. eHMP service components will span all application layers, including presentation, business and core services, and data access.

Release 1.2 introduced critical viewer edition enhancements to provide new capabilities to the Department of Veterans Affairs (VA) beyond what is available today via Computerized Patient Record System (CPRS), Joint Legacy Viewer (JLV), and VistAWeb. The system provides enhanced presentations of clinical data that ranges from trend views that provide a quick snapshot of easily understandable data, to detailed views that provide the user with a full range of options for examining longitudinal patient medical records. Users are able to configure these views into a limitless number of custom workspaces in order to support a variety of clinical workflows. There is also multiple pre-configured workspaces available to the user, which are filtered for specific conditions. The workspaces provide the appropriate clinical information for a selected condition (e.g., COPD, Diabetes). Further enhancements include the Military History applet, improved text search, and online application help screens.

1.1. Purpose

These release notes provide an overview of the patch, and closed and known defects associated with this release.

This version of the release notes covers the release of eHMP Version 1.2.19 that incorporates the release of HMP*2.0*8.

1.2. Scope

These release notes associated with eHMP Release Version 1.2.19 are the first notes for this release.

2. Release Method

Release execution is dependent upon the type of code released. These consolidated release notes will cover both VistA (Kernel Installation and Distribution System (KIDS)) and eHMP UI (web-based) releases, as both comprise the totality of eHMP as an application. Releases will occur first in Pre-production/Test accounts and then in Production.

The rollout strategy for both types of code depends upon the complexity of the release. Complex releases will be executed as a controlled release by wave, while more routine releases will be executed simultaneously nation-wide, following the standard national patch release process.

VistA releases will occur via FORUM and eHMP UI releases will be executed by the Release Team installing eHMP code into the Austin Information Technology Center (AITC) accounts.

Following successful deployment to AITC, the Release Team will install the same version into the Philadelphia Information Technology Center (PITC) Production account for a warm-based failover contingency.

3. Installation Requirements

3.1. VistA Patch Installation

3.1.1. Prerequisites for Installation

A prerequisite for installation is that sites are up to date, meaning, that previously nationally released patches have been installed.

3.1.2. Needed DLLs

Not applicable to eHMP.

3.1.3. M Triggers

Appendix 1 lists a description of triggers/events that impact eHMP.

3.1.4. Files

Appendix 2 provides a list of new/modified VA FileMan files that are exported with eHMP KIDS patches.

3.1.5. Approved Integration Control Registrations

Appendix 3 provides the eHMP Integration Control Registrations (ICRs).

3.1.6. New Parameters

Appendix 4 provides a list of new parameters for eHMP VistA, exported using the Kernel Parameters File. There are no new parameters for the eHMP UI.

3.2. Operational Data Sync and Patient Data Sync

In the current eHMP system, all operational data from the primary VistA site must be complete before any patient sync can occur. The approach for handling operational data in VistA Exchange Synchronization (VX-Sync), however, must eliminate blocking where possible, avoid bottlenecks, and contribute to the overall scalability of the system.

3.2.1. Implementation Strategy for VX-Sync

- **Operational Data Subscription Handler** – The purpose of the Operational Data Subscription Handler is simply to initiate the operational data sync. It will accept an operational subscription job which contains a list of sites to subscribe for operational data. For each site in the given list, it will send out the appropriate remote procedure call (RPC) so that the site will begin staging and sending operational data.
- **Integration of metastamps** – Metastamps will be applied to operational data up to the "source" layer so that the system can keep track of the progress of the initial operational data sync per site. An operational data metastamp is used to ensure that all the operational

data from a site is received during the initial sync with that site. Operational data does not have a last edit time to be used for the metastamp. Therefore, the operational data metastamp will be produced using the request time instead, similar to secondary site data.

- **Operational data pathway (Store Operational Data Handler and additions to Vista Site Data Poller)** – Data sent by the VistA systems will be received by the Vista Site Data Pollers. The Data Pollers will receive both operational and patient data from the primary sources; however, it is not appropriate for operational data to be sent to the Record Enrichment Handler. Therefore, the Vista-Record-Processor determines which type of data it receives and subsequently send that data on the appropriate pathway. If the handler receives operational data, it will send it to a Store Operational Data Handler. The Store Operational Data Handler will send the operational data to JSON Data Store (JDS) to be stored in the appropriate section of JDS.
- **Determining when a site is ready to sync patients** – The Sync Rules Engine includes rules to make sure that a primary site is not synchronized until its operational data has been successfully loaded.

4. Known Issues

4.1. Known Patient Safety Issues

There are no registered patient safety issues addressed in this version of eHMP.

4.2. Other Known Issues

At the time of this writing, all known issues are listed in Table 4-1.

Table 4-1 Other Known Issues

ID	Name	Severity	Opened Date	Planned Release
DE3057	Visit date showing up as 'Invalid Date' on patient select page	Low	11/10/2015	HMP*2.0*4
DE3409	MAXSTRING at STRING+7^HMPD in Portland Production	Medium	01/06/2016	HMP*2.0*4
DE3944	Procedures (Surgery/SR) and their result documents do not trigger a freshness update	High	02/29/2016	HMP*2.0*4
DE4198	ICR 2048 Remediation - HMP should use the VPR 1.5+ improvements to use ENCEVENT^PXKENC	Medium	03/24/2016	HMP*2.0*3
DE4214	HMPUPD and HMP PUT DEMOGRAPHICS are unused and need to be removed	Low	03/25/2016	HMP*2.0*3
DE4264	ICR 2686 - OE/RR direct reference to XTV(8989.5	Low	03/31/2016	HMP*2.0*3
DE4382	ICR 6395 - HMP READ ACCESS TO PS(55	Low	04/11/2016	HMP*2.0*3
DE4384	ICR 6277 - HMP ACCESS TO the MH Questions file (#601.72)	Medium	04/11/2016	HMP*2.0*4
DE4469	ICR 6359 - Using STATUS^SDAMA308 API to retrieve the Patient Appointment Status	Low	04/19/2016	HMP*2.0*3
DE4474	GETKEYS^HMPCRPC1 does not handle broken key pointers or delegated keys	Medium	04/19/2016	HMP*2.0*4
DE4488	ICR 6369 - Accessing the MEDICATION ROUTES File (#51.2) using direct global reads	High	04/20/2016	HMP*2.0*3
DE4496	Patient loop exits prematurely during Operational Data Synch if DFN is less than one. (pt-select domain)	High	04/20/2016	HMP*2.0*4

ID	Name	Severity	Opened Date	Planned Release
DE4611	checkHealth does not include commas between list elements in JSON objects	Medium	04/28/2016	HMP*2.0*4
DE4685	Direct Global Read: ^AUPNPROB	Medium	05/04/2016	HMP*2.0*3
DE4777	Undefined Error in DC Production	Low	05/11/2016	HMP*2.0*4
DE4879	The ""stampTime"" did not get updated when modifying the Health Factor	Medium	05/20/2016	HMP*2.0*4
DE5033	Replace calls to the ICDCODE APIs to use ICDEX APIs	Medium	05/27/2016	HMP*2.0*3
DE5038	VX-Sync did not get right data in freshness for Procedure domain via VistA code.	Medium	05/27/2016	HMP*2.0*3
DE5080	Undefined error during ODS in orderable items domain. VALIDOI+3^HMPCORD4	Low	06/01/2016	HMP*2.0*4
DE5111	Undefined error retrieving child orders GET+8^ORQ12	Low	06/03/2016	HMP*2.0*3
DE5139	Undefined error in ORWPCE PCE4NOTE remote procedure (production)	High	06/06/2016	HMP*2.0*4
DE5208	Retire ""HMP SAVE NOTE STUB"" RPC call.	Low	06/09/2016	HMP*2.0*3
DE5209	The VX-Sync did not get a new update for the provider at initial sync and freshness update	Medium	06/09/2016	HMP*2.0*4
DE5369	Sync Adverse Reaction Assessment data to JDS	Medium	06/17/2016	HMP*2.0*4
DE5411	Rebooked appointments have incorrect status	Low	06/22/2016	HMP*2.0*4
DE5645	Order Detail: Missing Treating Specialty ID in JDS	Medium	07/12/2016	HMP*2.0*4
DE5719	VA-480 More Strange (Lab/Rad) orders in the meds applets	High	07/14/2016	HMP*2.0*4
DE5916	Clinical reminders show in CPRS but not eHMP r1.2/R1118324FY17	Critical	07/22/2016	HMP*2.0*4
DE6002	Orders: Order Status Change Not Reflected For Outpatient Med Order Placed on Hold but Unsigned	High	07/27/2016	HMP*2.0*4
DE6047	Freshness stream error when deleting ""tidy"" nodes TIDYX+3^HMPDJFSG	Medium	07/29/2016	HMP*2.0*4
DE6100	ICR Change GETFREQ^ORWLEX to call FREQ^LEXU	High	08/02/2016	HMP*2.0*3

ID	Name	Severity	Opened Date	Planned Release
DE6147	Change direct global read of DIC(4 in HMPTFU2 to be FileMan reads	Medium	08/03/2016	HMP*2.0*3
DE6168	Error when building consult domains, MAXSTRING at line ESC+5^HMPJSONE at Indianapolis	Low	08/04/2016	HMP*2.0*4
DE6285	""Refused"" temperature vital JDS record has ""metricResults"" value of -17.8	Medium	08/10/2016	HMP*2.0*3
DE6332	Narrative Lab Results: Missing Electron Microscopy Report Content And Status=Completed in eHMP versus Incomplete in VistA (Test Data Issue?)	Medium	08/12/2016	HMP*2.0*3
DE6363	HMP Routines Are Missing ICR Documentation	Medium	08/16/2016	HMP*2.0*3
DE6374	Error when decoding JSON object at Memphis, DIRECT+24^HMPJSOND	Medium	08/16/2016	HMP*2.0*4
DE6480	Unused RPCs in HMP UI CONTEXT	Medium	08/22/2016	HMP*2.0*3
DE6485	PCE^HMPEVNT is causing a problem with lab results reporting. Reported in San Diego, Portland	High	08/23/2016	HMP*2.0*4
DE6486	Need RPC's to return items in the freshness stream, and then allow selective removal	High	08/23/2016	HMP*2.0*4
DE6526	Make the eHMP Monitor/Dashboard conform to SAC standards	Low	08/24/2016	HMP*2.0*3
DE6589	HMP Remote Procedures no longer being used	Medium	08/29/2016	HMP*2.0*3
DE6591	HL7 date-time format may be 12 characters instead of 14, related to DE5016	Medium	08/29/2016	HMP*2.0*4
DE6594	Alias flag not returned on full-name patient search results data	Low	08/29/2016	HMP*2.0*3
DE6606	Review all calls to GET^DIQ and GETS^DIQ for efficiency	High	08/29/2016	HMP*2.0*4
DE6629	Allergy Writeback not rejecting invalid entries	Critical	08/31/2016	HMP*2.0*4
DE6644	Update HMP CHKXTMP remote procedure to provide data that can be parsed and fix monitor	Low	08/31/2016	HMP*2.0*4
DE6652	ICR 6357 - Remove sign-symptom domain	High	09/01/2016	HMP*2.0*3

ID	Name	Severity	Opened Date	Planned Release
DE6716	Prod_Medications Are Displaying without Names	High	09/06/2016	HMP*2.0*4
DE6856	Undefined variable HMPFRSP in Production site Omaha in routine HMPDJFS	High	09/14/2016	HMP*2.0*4
DE6869	VA-515 Empty Data Source Modal in eHMP	High	09/14/2016	HMP*2.0*3
DE6877	Portland_Production - Problems in CPRS not displaying in eHMP	High	09/14/2016	HMP*2.0*4
DE6942	VA-514 Not all Progress Notes display within eHMP	High	09/19/2016	HMP*2.0*3
DE7331	Unused RPCs should be removed from HMP UI CONTEXT and HMP SYNCHRONIZATION CONTEXT	Medium	12/21/2016	HMP*2.0*3
DE7337	DGWPT BYWARD RPC needs to be added to HMP menu option	Medium	12/21/2016	HMP*2.0*3

5. Included New Functionality and Defect Fixes

5.1. Included User Stories

There were no user stories implemented in eHMP Release 1.2.19.

5.2. Fixed Defects

Defects resolved in eHMP Release 1.2.19 are listed below in Table 5-1.

Table 5-1 Fixed Defects

ID	Name	Severity	Opened Date	Test Method/Test Case Identifier
DE6888	Enable Add Immunizations after PX215 National Release.	High	09/15/2016	

5.2.1. Fixed VA Defects

There were no VA reported defects fixed in eHMP Release 1.2.19.

A. Appendix 1 – M Triggers

Table A-1 details the M Triggers.

Table A-1 M Triggers

M Triggers	
Protocol Name	New/Modified/Deleted
HMP DGPf ASSIGN FLAG	Modified
PROTOCOL List	NOV 15, 2016@20:00 PAGE 1

NUMBER: 6193	NAME: HMP DGPf ASSIGN FLAG
TYPE: action	CREATOR: PROGRAMMER,ONE
PACKAGE: HEALTH MANAGEMENT PLATFORM	
DESCRIPTION: Used to trigger a JDS update when the DGPf ASSIGN FLAG action protocol is used. A patient must have been selected and the DFN value is in DGDFN.	
ENTRY ACTION: I \$G(DGDFN),\$L(\$T(POST^HMPEVNT)) D POST^HMPEVNT(DGDFN,"patient",DGDFN)	

B. Appendix 2 – Files

Table B-1 details the new/modified VA FileMan files that are exported with eHMP KIDS patches.

Table B-1 VA FileMan Files

VA FileMan Files			
STANDARD DATA DICTIONARY #800000 -- HMP SUBSCRIPTION FILE 11/15/16 PAGE 1			
STORED IN ^HMP(800000, *** NO DATA STORED YET *** SITE: VEHU MASTER UCI: VI			
STA,ROU (VERSION 2.0)			
DATA	NAME	GLOBAL	DATA
ELEMENT	TITLE	LOCATION	TYPE

800000,.07	DEFAULT?	0;7 SET	
		'1' FOR YES;	
		'0' FOR NO;	
	LAST EDITED:	JUL 20, 2016	
	HELP-PROMPT:	Enter 1 for the default eHMP primary subscription.	
	DESCRIPTION:	This field identifies the primary eHMP subscription for this server. It identifies this server as the default for operations such as selecting a subscription to monitor in the option eHMP Dashboard [HMPMON DASHBOARD]. Only one server at a time can be set as the default. If this file contains only one record, then it will be used automatically as the default.	
	TECHNICAL DESCR:	Used in \$\$GETSRVR^HMPMOND to identify the default subscription if this file contains more than one.	
	FIELD INDEX:	AD (#1341) REGULAR IR SORTING ONLY	
	Short Descr:	Index of operational data by server.	

VA FileMan Files

Description: This index is used to find operational data for each eHMP server.

Set Logic: S ^HMP(800000,"AD",X,DA)=""

Set Cond: S X=X(1)

Kill Logic: K ^HMP(800000,"AD",X,DA)

Kill Cond: S X=X(1)

Whole Kill: K ^HMP(800000,"AD")

X(1): DEFAULT? (800000,.07) (Subscr 1) (forwards)

STANDARD DATA DICTIONARY #800003 -- HMP EVENT FILE 11/15/16 PAGE 1
 STORED IN ^HMPLOG(800003, *** NO DATA STORED YET *** SITE: VEHU MASTER UCI:
 VISTA,ROU (VERSION 2.0)

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
-----------------	---------------	--------------------	--------------

 This file is used to log VistA events relevant to the eHMP environment. Its primary purpose is to record data that otherwise would not be logged, such as corrupt or missing data, or broken pointers.

It is also used by the eHMP to log maintenance activities.

DD ACCESS: @

RD ACCESS:

WR ACCESS: @

DEL ACCESS: @

LAYGO ACCESS: @

AUDIT ACCESS: @

IDENTIFIED BY: EVENT DATE/TIME (#.02)[R]

CROSS

REFERENCED BY: TYPE OF EVENT(ATYP), LOG NUMBER(B), EVENT DATE/TIME(C)

800003,.01 LOG NUMBER 0;1 NUMBER (Required)

INPUT TRANSFORM: K:+X'=X!(X>999999999)!(X<1)!(X?.E1"."1N.N) X S:
 \$G(X) DINUM=X

LAST EDITED: JUN 13, 2016

HELP-PROMPT: Type a number between 1 and 999999999, 0
 decimal digits.

DESCRIPTION: This is an integer that corresponds to the
 internal entry number.

TECHNICAL DESCR: An integer with a DINUM relationship.

NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

CROSS-REFERENCE: 800003^B
 1)= S ^HMPLOG(800003,"B",\$E(X,1,30),DA)=""
 2)= K ^HMPLOG(800003,"B",\$E(X,1,30),DA)

800003,.02 EVENT DATE/TIME 0;2 DATE (Required)

INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:Y<1 X

LAST EDITED: JUN 13, 2016

HELP-PROMPT: Enter the date and time (with seconds) of the
 event. Time is required.

DESCRIPTION: This is a precise date with required time (with
 seconds). This field is required for each
 entry.

CROSS-REFERENCE: 800003^C
 1)= S ^HMPLOG(800003,"C",\$E(X,1,30),DA)=""
 2)= K ^HMPLOG(800003,"C",\$E(X,1,30),DA)
 3)= Do not delete this cross-reference. It all
 ows for lookup by date/time.
 Allows a user to look up an HMP EVENT entry by

VA FileMan Files

		date and time.
800003,.03	TYPE OF EVENT	0;3 SET
		'C' FOR corruption; 'I' FOR informational; 'M' FOR missing entry; 'O' FOR other;
	LAST EDITED:	JUN 13, 2016
	HELP-PROMPT:	Indicate the type of event that was logged. This value is optional.
	DESCRIPTION:	A set of codes that will be used to classify the type of event logged.
		C - Corrupt entry was found. For example, the value in a field would not pass the Input Transform.
		I - Informational. An event of note that would not cause an error. For example, an entry was missing a field that was expected, but not required.
		M - Missing entry. An internal entry number (IEN) was found without a corresponding entry. Also called a "broken pointer" or "dangling pointer".
		O - Other type of event. Use this code for all other event types.
	CROSS-REFERENCE:	800003^ATYP 1)= S ^HMPLOG(800003,"ATYP",\$E(X,1,30),DA)="" 2)= K ^HMPLOG(800003,"ATYP",\$E(X,1,30),DA) 3)= Do not delete. This field is used to sort by event type. This cross-reference can be used to provide reports of specific event types.
800003,1	DESCRIPTIVE TEXT	1;0 WORD-PROCESSING #800003.01 (IGNORE " ")
	INPUT TEMPLATE(S):	
	PRINT TEMPLATE(S):	
	SORT TEMPLATE(S):	
	FORM(S)/BLOCK(S):	
	STORED IN	^HMP(800000, *** NO DATA STORED YET *** SITE: VEHU MASTER UCI: VI STA,ROU

C. Appendix 3 – Approved Integration Control Registrations

Table C-1 details the Approved Integration Control Registrations.

Table C-1 Approved Integration Control Registrations

Resource	DBIA #	Date Approved
^LAB(60	91	01/27/2016
ADM^VADPT2	325	12/18/2015
^DG(40.8	417	04/11/2016
LAB(61	524	11/19/2015
LRO(69	532	11/13/2015
^DIC(40.7	557	12/16/2015
EN^ORX8	871	03/30/2016
^RADPT("AO"	1172	03/18/2016
DGPM MOVEMENT EVENTS	1181	04/13/2016
SDAM APPOINTMENTS EVENTS	1320	04/19/2016
EN1^GMRVUT0	1446	12/05/2015
GMRA ENTERED IN ERROR	1467	02/23/2016
GMRA SIGN-OFF ON DATA	1469	02/23/2016
ORQPT CLINIC PATIENTS	1652	01/22/2016
ORWU USERINFO	1791	01/27/2016
ORWRP REPORT LISTS	1840	01/27/2016
ORWRP REPORT TEXT	1841	01/27/2016
^DGPM(1865	04/15/2016
^DGPM("APCA", ^DGPM("APMV", ^DGPM("ATID1"	1865	04/15/2016
\$\$GETENC^PXAPI	1894	10/09/2015
ENCEVENT^PXAPI	1894	10/09/2015
\$\$TEAMCNT^SCAPMCU1	1918	10/29/2015
^AUPNVSIT	2028	11/25/2015
^GMR(120.8	2166	12/02/2015
MAIN^PXRM	2182	10/09/2015
\$\$TSDATA^DGACT	2248	11/30/2015
^AUPNVPRV(2316	01/02/2016
WHATIS^USRLM	2324	03/29/2016
OCL^PSOORRL	2400	11/04/2015

Resource	DBIA #	Date Approved
OEL^PSOORRL	2400	11/04/2015
LRO(69	2407	11/26/2015
PS EVSEND OR	2415	02/17/2016
\$\$OI^ORX8	2467	03/30/2016
\$\$VALUE^ORX8	2467	03/30/2016
RR^LR7OR1	2503	11/04/2015
^XTV(8989.5	2686	03/30/2016
TEAMPTS^ORQPTQ1	2692	10/16/2015
EXTRACT^TIULQ	2693	03/28/2016
TIU(8925.1	2700	11/23/2015
^AUPNPROB(2727	03/30/2015
OER^GMRCSLM1	2740	02/02/2016
DETAIL^GMPLUTL2	2741	10/19/2015
LIST^GMPLUTL2	2741	10/19/2015
EDIT^VAFCTED	2784	04/06/2016
\$\$CWAD^ORQPT2	2831	01/20/2016
\$\$RESOLVE^TIUSRVLO	2834	10/14/2015
^ORD(101.43	2843	12/02/2015
CONTEXT^TIUSRVLO	2865	11/23/2015
TGET^TIUSVR1	2944	10/16/2015
EXPAND^LR7OU1	2955	11/15/2015
DOCLIST^GMRCGUIB	2980	02/02/2015
\$\$ISA^TIULX	3058	10/15/2015
\$\$PKGID^ORX8	3071	03/30/2016
^AUPNVPOV(3094	11/25/2015
OR EVSEND GMRC	3135	03/13/2016
GMRC EVSEND OR	3140	02/16/2016
EN^ORQ1	3154	03/30/2016
DG FIELD MONITOR	3344	04/19/2016
^GMR(120.86	3449	12/01/2015
RA(79.2	3505	02/24/2016
LIST^SROESTV	3533	11/16/2015
ONE^SROESTV	3533	11/16/2015
CPCLASS^TIUCP	3568	10/08/2015

Resource	DBIA #	Date Approved
ISCP^TIUCP	3568	10/08/2015
DOSE^PSSOPKI1	3739	05/11/2015
^DGS(41.1	3796	04/13/2016
\$\$GETACT^DGPFAP1	3860	11/18/2015
DEFLIST^ORQPTQ11	4204	03/03/2016
WARDPTS^ORQPTQ2	4207	03/03/2016
CLINPTS^ORQPTQ2	4207	03/03/2016
PROVPTS^ORQPTQ2	4207	03/03/2016
SPECPTS^ORQPTQ2	4207	03/03/2016
PCE4NOTE^ORWPCE3	4214	03/03/2016
EN1^MDPS1	4230	01/13/2016
PR690^MDPS1	4230	12/16/2015
LRPXRMLRPXAPI	4245	11/05/2015
\$\$LRDN^LRPXAPIU	4246	11/05/2015
VHF^PXPXRM	4250	10/15/2015
VIMM^PXPXRM	4250	10/15/2015
VPEDU^PXPXRM	4250	10/15/2015
VSKIN^PXPXRM	4250	10/15/2015
VXAM^PXPXRM	4250	10/15/2015
^PXRMINDX(63	4290	11/19/2015
\$\$CREATE^XUSAP	4677	04/14/2016
EIE^GMRAGUI1	4682	06/01/2016
NKA^GMRAGUI1	4682	06/01/2016
UPDATE^GMRAGUI1	4682	06/01/2016
EN1^GMVDCSAV	4815	11/13/2015
ORQQPX REMINDERS LIST	4898	03/29/2016
ORQQPX REMINDER DETAIL	4899	04/06/2016
BYWARD^ORWPT	4904	01/27/2016
ORWPT BYWARD	4904	01/27/2016
PTTEST^YTQPXRM2	5035	06/01/2016
ENDAS71^YTQPXRM6	5043	11/07/2015
^YTT(601.71	5044	03/03/2016
^YTT(601.71	5044	01/08/2016
\$\$FDEFSRC^ORQPTQ11	5137	03/03/2016

Resource	DBIA #	Date Approved
GETDLG1^ORCD	5493	04/06/2016
GETORDER^ORCD	5493	04/06/2016
\$\$CLASS^TIUCNSLT	5546	10/13/2015
ISCNSLT^TIUCNSLT	5546	10/13/2015
ISSURG^TIUSROI	5676	10/13/2015
^TIU(8926.1	5676	12/30/2015
\$\$CLASS^TIUSROI	5676	10/21/2015
TIU(8925.1	5677	11/25/2015
\$\$START^SCMCMHTC	5697	10/14/2015
RPC^GMVRPCM	5702	05/11/2015
GET^ORQ12	5704	03/03/2016
\$\$ICDDX^ICDEX	5747	10/13/2015
^MDC(704.102	5748	01/08/2016
^ORA(102.4	5769	07/04/2016
OR(100	5771	03/03/2016
^WV(790.05	5772	02/04/2016
^MDC(704.117	5810	04/19/2016
^MDC(704.118	5811	12/16/2015
ADMIN^PSBVPR	6038	04/13/2016
GMPL EVENT	6065	02/08/2016
GET^TIUVPR	6077	05/04/2016
\$\$IFC^GMRCAPI	6082	03/30/2016
ACT^GMRCAPI	6082	03/30/2016
GET^GMRCAPI	6082	04/19/2016
MDC OBSERVATION UPDATE	6084	04/20/2016
RA EVSEND OR	6086	02/16/2016
LR7O CH EVSEND OR	6087	02/16/2016
^USR(8930	6088	02/02/2016
^USR(8930.1	6089	12/01/2015
OR EVSEND FH	6090	03/03/2016
OR EVSEND LRCH	6091	02/16/2016
OR EVSEND ORG	6092	03/13/2016
OR EVSEND PS	6093	03/13/2016
OR EVSEND RA	6094	03/04/2016

Resource	DBIA #	Date Approved
OR EVSEND VPT	6095	03/29/2016
^TIU(8925	6154	01/20/2016
\$\$ACTLOC	6251	03/07/2016
\$\$LEXXFRM	6254	02/01/2016
DEFSORT	6261	02/07/2016
COMBPTS	6268	03/07/2016
IMTYPSEL	6269	03/07/2016
INPLOC	6272	03/07/2016
PCDETAIL	6273	03/07/2016
GETLIST	6274	03/07/2016
^EDP(230,"V"	6275	04/26/2016
^YTT(601.72	6277	03/15/2016
^TIU(8925.5	6279	11/25/2015
LAB(64.5	6280	12/17/2015
^OR(100.24	6283	04/06/2016
^PSB(53.79	6298	04/15/2016
TIU^HMPEVNT	6299	01/11/2016
POSTX^HMPEVNT	6301	01/11/2016
ORQQPL4 LEX	6348	02/02/2016
DGPF ASSIGN FLAG	6354	04/06/2016
GMRD(120.83	6357	02/04/2016
^ORD(100.98	6358	02/07/2016
STATUS^SDAMA308	6359	04/20/2016
GMRD(120.53	6364	02/24/2016
GMRD(120.52	6365	02/24/2016
GMRD(120.51	6366	02/24/2016
ORD(101.41	6367	03/03/2016
ORD(101.42	6368	03/04/2016
PS(51.2	6369	03/04/2016
PS(55	6395	03/21/2016
SCTM(404.51	6396	04/07/2016
FASTUSER	6397	04/06/2016
ORD(101	6400	04/07/2016
PSB EVSEND VPT	6085	05/04/2016

Resource	DBIA #	Date Approved
DETAIL^ORQ2	4203	10/31/2016
PXK VISIT DATA EVENT	1298	05/18/2016
GMPL(125.8,"AD"	2974	
AUTTHF("B"	1989	
NEW^GMPLSAVE	2978	
^RAMIS(71.2	587	
GMPL(125.8	2974	
RPC: GMV GET CURRENT TIME	4355	
RPC: GMV MARK ERROR	4414	
RPC: GMV ADD VM	3996	
RPC: GMV VITALS/CAT/QUAL	4359	
RPC: TIU CREATE ADDENDUM RECORD	1805	
RPC: TIU CREATE RECORD	1806	
RPC: TIU DELETE RECORD	1811	
RPC: TIU DOCUMENTS BY CONTEXT	3198	
ROC: TIU GET DOCUMENT TITLE	3923	
RPC: TIU GET RECORD TEXT	1635	
RPC: TIU GET REQUEST	3438	
RPC: TIU IS THIS A CONSULT?	3201	
RPC: TIU IS THIS A SURGERY?	3966	
RPC: TIU ISPRF	5986	
RPC: TIU LOCK RECORD	3897	
RPC: TIU LONG LIST OF TITLES	3204	
RPC: TIU REQUIRES COSIGNATURE	1800	11/16/2016
RPC: TIU SET DOCUMENT TEXT	3954	
RPC: TIU SIGN RECORD	1790	
RPC: TIU UNLOCK RECORD	3900	
RPC: TIU UPDATE RECORD	1799	
^AUTTEDT("B"	1987	
^AUTTEXAM("B"	1988	
^GMR(120.5,D0,2	1381	
^ORD(100.03,D0,0),"^")	2576	
DOCCLASS^TIUCL1	3548	
RPC: PX SAVE DATA	6023	

Resource	DBIA #	Date Approved
BSA AND BMI	6414	
DGPF CHANGE ASSIGNMENT OWNERSHIP	6416	07/25/2016
DGPF EDIT ASSIGNMENT	6415	07/25/2016
ACCEPT	6435	
EDITSAVE	6436	
VALID	6434	
SAVE	6440	
GETXTRA	6428	
CLINPTS2	6437	
LOCK	6440	
UNLOCK	6440	
File 120.5	6432	
ORDRNUM	6426	
LOCKORD	6440	
UNLKORD	6440	
SEND	6440	
LEX	6441	
VALIDSIG	6442	
RPC: ORQQVI NOTEVIT	6454	
CLINDOC^TIULC1	6489	
GETFREQ^ORWLEX	6490	
ADDSAVE^ORQQPL1	6448	11/08/2016
PROB^ORQQPL3	6452	11/08/2016
EDSAVE^ORQQPL1	6451	11/08/2016
EDLOAD^ORQQPL1	6450	11/08/2016
DELETE^ORQQPL2	6449	11/08/2016
NOTEVIT^ORQQVI	6454	11/08/2016
DETAIL^ORWOR	5655	11/10/2016
EDITSAVE^ORWDAL32	5652	11/10/2016
RPC: ORWDAL32 CLINUSER	6456	11/08/2016

D. Appendix 4 – New Parameters

Table D-1 details the new parameters.

Table D-1 New Parameters

New Parameters	
PARAMETER DEFINITION List	NOV 15, 2016@20:14 PAGE 1

NAME: HMPMON DASHBOARD UPDATE	DISPLAY TEXT: HMP Dashboard Update Rate
VALUE DATA TYPE: numeric	VALUE DOMAIN: 3:300
VALUE HELP: Enter a number between 3 and 300 seconds inclusively.	
DESCRIPTION:	
This parameter controls the behavior of option eHMP Dashboard [HMPMON DASHBOARD]. Most of this option's prompts time out normally, but its Action Prompts control monitoring screens that auto-update the screen when they time out, to provide dashboard functionality for monitoring the Vista-side eHMP software.	
This parameter ships with three settings:	
1) a package default setting, defined by the eHMP development team using parameter template HMPMON DASHBOARD PKG, accessed through menu option Set Package's Dashboard Auto-update Rate [HMPMON SET PKG DASHBOARD RATE], which should not be changed at local sites;	
2) a system setting that will override the package setting; it can be defined by the local system manager using parameter template HMPMON DASHBOARD SYS, accessed through menu option Set System's Dashboard Auto-update Rate [HMPMON SET SYS DASHBOARD RATE];	
3) a user setting that overrides the other two; it is defined by the current user using parameter HMPMON DASHBOARD USR, accessed by the dashboard action Change Auto-update Rate action within option eHMP Dashboard [HMPMON DASHBOARD].	
It is usually set to 3 to 30 seconds, but can be set as high as 300 seconds to support demonstration or teaching situations. If it is wholly absent, the user's default Vista time-out rate is used.	
PRECEDENCE: 1	ENTITY FILE: USER
PRECEDENCE: 2	ENTITY FILE: SYSTEM
PRECEDENCE: 3	ENTITY FILE: PACKAGE
Template Name - Parameter	New/Modified/Deleted

HMPMON DASHBOARD PKG	New
HMPMON DASHBOARD SYS	New
HMPMON DASHBOARD USR	New
PARAMETER TEMPLATE List	NOV 15, 2016@20:12 PAGE 1

NUMBER: 123	NAME: HMPMON DASHBOARD PKG
DISPLAY TEXT: Dashboard Auto-update Rate	
USE ENTITY FROM: PACKAGE	
SEQUENCE: 1	PARAMETER: HMPMON DASHBOARD UPDATE
NUMBER: 125	NAME: HMPMON DASHBOARD SYS
DISPLAY TEXT: Dashboard Auto-update Rate	
USE ENTITY FROM: DOMAIN	
SEQUENCE: 1	PARAMETER: HMPMON DASHBOARD UPDATE
NUMBER: 124	NAME: HMPMON DASHBOARD USR
DISPLAY TEXT: Dashboard Auto-update Rate	
USE ENTITY FROM: NEW PERSON	
SEQUENCE: 1	PARAMETER: HMPMON DASHBOARD UPDATE